AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1-40. (Cancelled)

- 41. (Previously presented) A method of diagnosing a human pregnant subject as having, or having a propensity to develop, pre-eclampsia or eclampsia, said method comprising measuring the level of sFlt-1 polypeptide in a sample from said subject, wherein a level of sFlt-1 polypeptide greater than 2 ng/ml diagnoses said subject as having, or having a propensity to develop, pre-eclampsia or eclampsia.
- 42. (Currently Amended) A method of diagnosing a human pregnant subject as having, or having a propensity to develop, pre-eclampsia or eclampsia, said method comprising measuring the level of free PIGF polypeptide in a serum sample from said subject, wherein said free PIGF is a PIGF polypeptide that has the ability to bind to sFlt-1, and wherein said subject is pregnant and a level of free PIGF polypeptide less than 150 pg/ml serum at less than 16-13-16 weeks of pregnancy diagnoses said subject as having, or having a propensity to develop, pre-eclampsia or eclampsia.

43. (Cancelled)

- 44. (Previously presented) A method of diagnosing a human pregnant subject as having, or having a propensity to develop, pre-eclampsia or eclampsia, said method comprising measuring the level of free VEGF polypeptide in a sample from said subject, wherein said free VEGF is a VEGF polypeptide that has the ability to bind to sFlt-1, and wherein said subject is pregnant and a level of free VEGF polypeptide less than 5 pg/ml serum diagnoses said subject as having, or having a propensity to develop, pre-eclampsia or eclampsia.
- 45. (Previously presented) A method of diagnosing a human pregnant subject as having, or having a propensity to develop, pre-eclampsia or eclampsia, said method comprising measuring the levels of at least two of sFlt-1, free VEGF, and free PIGF polypeptide in a sample from said subject, wherein said free VEGF is a VEGF polypeptide that has the ability to bind to sFlt-1 and wherein said free PIGF polypeptide is a polypeptide that has the ability to bind to sFlt-1, and comparing the level to the level of at least two of sFlt-1, free VEGF, or free PIGF polypeptide in a reference, and wherein an increase of at least 10% in the level of sFlt-1 or a decrease of at least 10% in the level of free VEGF or free PIGF polypeptide relative to said reference diagnoses said subject as having, or having a propensity to develop, pre-eclampsia or eclampsia.

- 46. (Previously presented) The method of claim 45, wherein said method comprises measuring the level of sFlt-1 and at least one of free VEGF and free PIGF, and wherein said method further comprises calculating the relationship between said level of sFlt-1 and said at least one of free VEGF and free PIGF using a metric, wherein an increase of at least 10% in the level of said sFlt-1 relative to at least one of said free VEGF and free PIGF level in said metric from said subject sample as compared to said metric from a reference sample diagnoses said subject as having, or having a propensity to develop, pre-eclampsia or eclampsia.
- 47. (Previously presented) The method of claim 46, wherein said metric comprises a pre-eclampsia anti-angiogenic index (PAAI):[sFlt-1/ free VEGF + free PIGF], and an increase of at least 10% in said PAAI in said subject sample as compared to said reference diagnoses said subject as having, or having a propensity to develop, pre-eclampsia or eclampsia.
- 48. (Previously presented) A method of diagnosing a human pregnant subject as having, or having a propensity to develop, pre-eclampsia or eclampsia, said method comprising:
- (a) measuring the levels of sFlt-1, free VEGF, and free PIGF polypeptides in a sample from a subject, wherein said free VEGF is a VEGF polypeptide that has the ability to bind to sFlt-1 and wherein said free PIGF polypeptide is a

polypeptide that has the ability to bind sFlt-1; and

- (b) calculating the relationship between said levels of sFlt-1, free VEGF, and free PIGF using a metric, wherein said metric comprises a pre-eclampsia anti-angiogenic index (PAAI):[sFlt-1/ free VEGF + free PIGF], and wherein a PAAI value greater than 20 in the subject sample diagnoses said subject as having, or having a propensity to develop, pre-eclampsia or eclampsia.
- 49. (Previously presented) The method of claim 46, wherein said metric comprises sFlt-1/free PlGF and an increase of at least 10% in the sFlt-1/free PlGF from said subject sample as compared to said reference diagnoses said subject as having, or having a propensity to develop, pre-eclampsia or eclampsia.
- 50. (Previously presented) A method of diagnosing a human pregnant subject as having, or having a propensity to develop, pre-eclampsia or eclampsia, said method comprising measuring the level of at least one of sFlt-1, free VEGF, or free PIGF polypeptide in a sample from a subject, wherein said free VEGF is a VEGF polypeptide that has the ability to bind to sFlt-1 and wherein said free PIGF polypeptide is a polypeptide that has the ability to bind sFlt-1, and comparing the level to the level of sFlt-1, free VEGF, or free PIGF polypeptide in a reference, and wherein an increase of at least 10% in the level of sFlt-1 or a decrease of at least 10% in the level of free VEGF or free PIGF polypeptide relative to said reference diagnoses said subject as having, or having a propensity to develop, pre-

eclampsia or eclampsia.

51-53. (Canceled)

- 54. (Previously presented) The method of claim 46, 47, or 49, wherein said metric further comprises the body mass index or gestational age of the subject.
- 55. (Previously presented) The method of claim 45, 46, 47, 49, or 50 wherein said reference is a prior sample or level from said subject.
- 56. (Previously presented) The method of claim 45, 46, 47, 49, or 50, wherein said reference is a sample taken from a control subject not having preeclampsia or eclampsia.

57. (Canceled)

- 58. (Previously presented) The method of claim 41, 44, 45, 46, 48, 49, or 50, wherein said subject is in the first trimester of pregnancy.
- 59. (Previously presented) The method of claim 41, 44, 45, 46, 48, 49, or 50, wherein said subject is in the second trimester of pregnancy.

- 60. (Previously presented) The method of claim 41, 44, 45, 46, 48, 49, or 50, wherein said subject is in the third trimester of pregnancy.
- 61. (Currently amended) The method of claim 41, 44, 45, 46, 48, 49, or 50, wherein said subject is less than 13-16 weeks pregnant.
- 62. (Previously presented) The method of claim 41, 42, 44, 45, 48, or 50, wherein said measuring is done using an immunological assay.
- 63. (Previously presented) The method of claim 62, wherein said immunological assay is an ELISA.
- 64. (Previously presented) The method of claim 41, 45, 46, 48, or 50, wherein said sample is a bodily fluid of said subject in which said sFlt-1, free VEGF, or free PIGF polypeptide is normally detectable.
- 65. (Previously presented) The method of claim 64, wherein said bodily fluid is selected from the group consisting of urine, serum, and plasma.
- 66. (Previously presented) The method of claim 45 or 50, wherein said sample is a cell or a tissue from said subject.

- 67. (Previously presented) The method of claim 66, wherein said tissue is a placental tissue.
- 68. (Previously presented) The method of any one of claims 45, 49, or 50, wherein said subject is further diagnosed as having, or having a propensity to develop, mild pre-eclampsia, severe pre-eclampsia, or pre-eclampsia-associated HELLP, IUGR, or SGA.

69. (Cancelled)

- 70. (Previously presented) The method of claim 41, 45, 48, 49, or 50, wherein said sFlt-1 is the level of free sFlt-1.
- 71. (Previously presented) The method of claim 41, 45, 48, 49, or 50, wherein said sFlt-1 is the level of bound sFlt-1.
- 72. (Previously presented) The method of claim 41, 45, 48, 49, or 50, wherein said sFlt-1 is the level of total sFlt-1.
- 73. (Previously presented) The method of claim 45 or 50, wherein an increase of at least 50% in the level of sFlt-1 or a decrease of at least 50% in the

level of free VEGF or free PIGF polypeptide relative to said reference diagnoses said subject as having, or having a propensity to develop, pre-eclampsia or eclampsia.

- 74. (Previously presented) The method of claim 73, wherein an increase of at least 90% in the level of sFlt-1 or a decrease of at least 90% in the level of free VEGF or free PIGF polypeptide relative to said reference diagnoses said subject as having, or having a propensity to develop, pre-eclampsia or eclampsia.
- 75. (Previously presented) The method of claim 47, wherein an increase of at least 50% in said PAAI in said subject sample as compared to said reference is a diagnostic indicator of pre-eclampsia or eclampsia.
- 76. (Previously presented) The method of claim 75, wherein an increase of at least 90% in said PAAI in said subject sample as compared to said reference is a diagnostic indicator of pre-eclampsia or eclampsia.
- 77. (Previously presented) The method of claim 49, wherein an increase of at least 50% in said sFlt-1/free PIGF in said subject sample as compared to said reference diagnoses said subject as having, or having a propensity to develop, preeclampsia or eclampsia.

- 78. (Previously presented) The method of claim 77, wherein an increase of at least 90% in said sFlt-1/free PIGF in said subject sample as compared to said reference diagnoses said subject as having, or having a propensity to develop, preeclampsia or eclampsia.
- 79. (Previously presented) The method of claim 42 said method further comprising measuring the level of sFlt-1 in said subject sample, wherein a level of sFlt-1 polypeptide greater than 2 ng/ml diagnoses said subject as having, or having a propensity to develop, pre-eclampsia or eclampsia.
- 80. (Previously presented) The method of claim 45, said method comprising measuring the levels of sFlt-1 and free PIGF polypeptides.
- 81. (Previously presented) The method of claim 66, wherein said cell is selected from the group consisting of an endothelial cell, a leukocyte, and a cell derived from the placenta.
- 82. (Previously presented) A method of diagnosing a human pregnant subject as having, or having a propensity to develop, pre-eclampsia or eclampsia, said method comprising measuring the level of free PIGF polypeptide in a serum sample from said subject and the level of sFlt-1 in a bodily fluid sample from said subject, wherein said free PIGF is a polypeptide that has the ability to bind to sFlt-

1, and wherein a level of free PIGF polypeptide less than 400 pg/ml serum at midgestation and wherein a level of sFlt-1 polypeptide greater than 2 ng/ml diagnoses said subject as having, or having a propensity to develop, pre-eclampsia or eclampsia.

- 83. (Previously presented) The method of claim 44, 45, 48, or 50, wherein said VEGF polypeptide is selected from the group consisting of VEGF-A, VEGF-B, VEGF189, VEGF165, and VEGF121.
- 84. (Previously presented) The method of claim 42, 45, 48, 49, 50, or 82, wherein said PIGF polypeptide is an alternatively spliced isoform of PIGF.
- 85. (Previously presented) The method of claim 81, wherein said leukocyte is a monocyte.
- 86. (Currently amended) The method of claim 45, wherein the level of sFlt-1 and free PIGF are measured and wherein said subject is less than 13-16 weeks pregnant.
- 87. (Previously presented) The method of claim 45, wherein the level of sFlt-1 and free PIGF are measured and wherein said subject is 17-20 weeks pregnant.

- 88. (Previously presented) The method of claim 41, 45, 49, 50, 80, or 82, wherein said diagnosis is prior to the development of at least one symptom of pre-eclampsia or eclampsia in said subject, said at least one symptom selected from the group consisting of a systolic blood pressure (BP) >140 mmHg and a diastolic BP >90 mmHg after 20 weeks gestation; new onset proteinuria; greater than 300 mg of protein in a 24-hour urine collection; and a single random urine sample having a protein/creatinine ratio greater than 0.3.
- 89. (Previously presented) The method of claim 41, 42, 45, 48, 49, or 50, wherein the method diagnoses said pregnant human subject as having a propensity to develop pre-eclampsia or eclampsia.
- 90. (Previously presented) The method of claim 41, 42, 45, 48, 49, or 50, wherein the method diagnoses said pregnant human subject as having preeclampsia or eclampsia.
- 91. (Previously presented) The method of claim 45, 50, or 80, wherein the subject is 23-32 weeks pregnant and an increase of at least 50% in the level of sFlt-1 or a decrease of at least 50% in the level of free VEGF or free PIGF relative to said reference diagnoses said subject as having a propensity to develop early onset pre-eclampsia or eclampsia.